



Technical Data Sheet

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Preliminary

Material: Ecomass® Compound 1002ZC85

Nontoxic alternative to Lead (Pb), weighting, balancing and radiation shielding applications

Description / Features: Stainless Steel Powder Filled Co-Polyamide (COPA), Excellent Toughness

Processing Method: Extrusion

Physical Properties

	Test Method	Value	Units
Physical Properties			
Product Form		Pellets	
Density		3.75	g/cc
Mechanical Properties			
Tensile Strength	ISO 527	9	Mpa
Tensile Modulus	ISO 527	NA	MPa
Tensile Elongation at Break	ISO 527	500	%
Flexural Modulus	ISO 178	200	Mpa
Flexural Strength	ISO 178	NA	MPa
Izod Impact Strength, notched	ISO 180/A	NB	J/m
Thermal Properties			
Heat Deflection Temperature at 66 psi	ASTM D648	NA	°C
Heat Deflection Temperature at 264 psi	ASTM D648	NA	°C
Electrical Properties			
Surface Resistivity		NA	ohms/sq
Processing Information			
Melt Temperature Range		200 - 230	°C
Pre-Drying Conditions		2 - 4 hours @ 70	°C

NA Not Available
NB No Break

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